

## ABSTRACT

# **THERMOSTABLE ENZYMES HAVING AMINOTRANSFERASE ACTIVITY, NUCLEIC ACIDS ENCODING THEM AND METHODS OF MAKING AND USING THEM**

The invention is directed to novel thermostable aminotransferases useful in synthesizing an amino acid derivative with high optical purity, and nucleic acids encoding the enzyme. The invention also includes antibodies that specifically bind to the aminotransferases of the invention.